FIG. 1

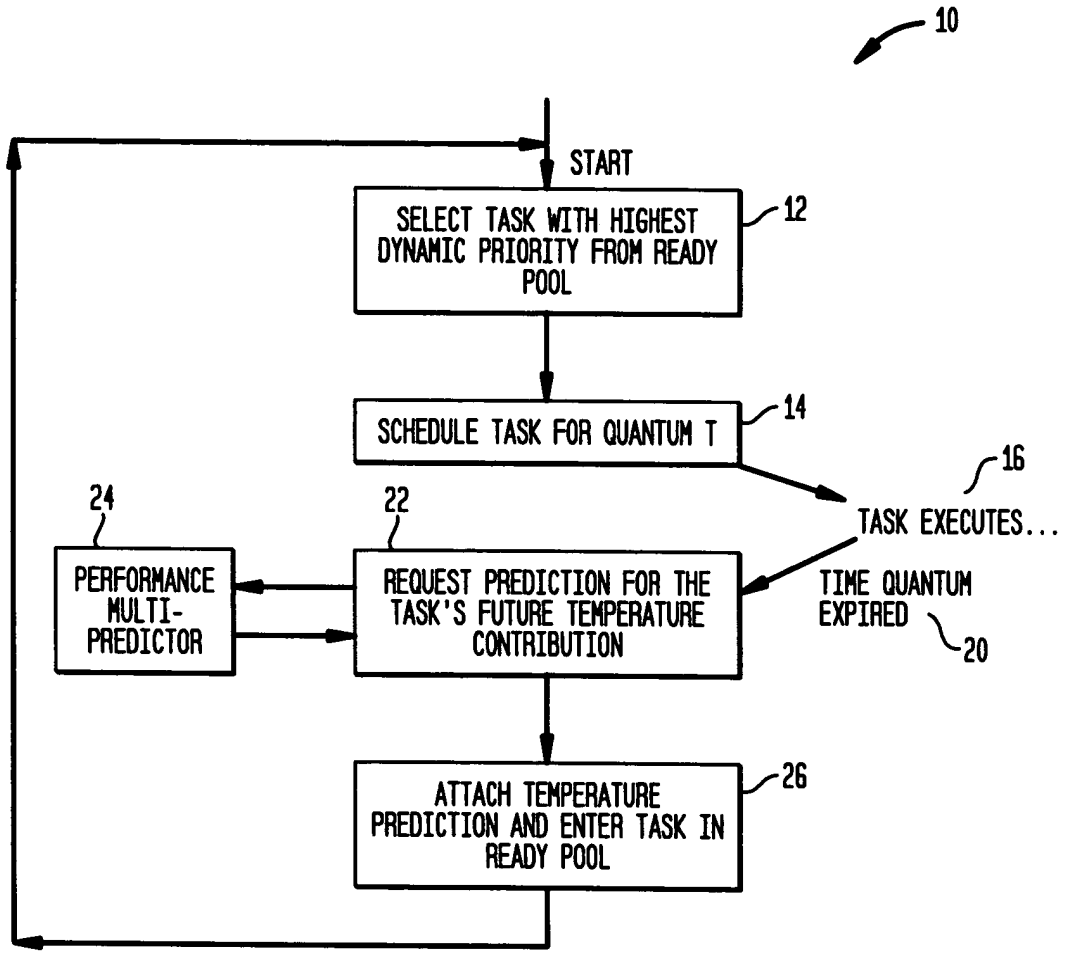

10
START
SELECT TASK WITH HIGHEST DYNAMIC PRIORITY FROM READY POOL
12
SCHEDULE TASK FOR QUANTUM T
14
16
TASK EXECUTES...
24
22
PERFORMANCE MULTI-PREDICTOR
REQUEST PREDICTION FOR THE TASK'S FUTURE TEMPERATURE CONTRIBUTION
TIME QUANTUM EXPIRED
20
ATTACH TEMPERATURE PREDICTION AND ENTER TASK IN READY POOL
26

FIG. 2

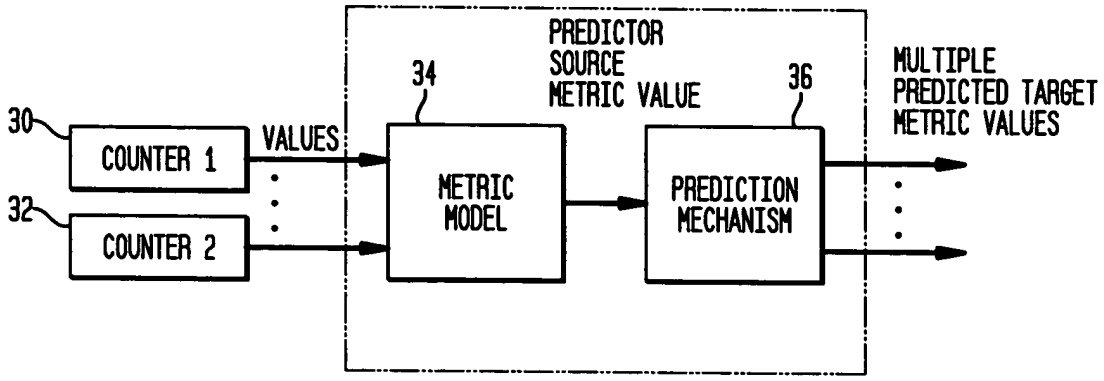
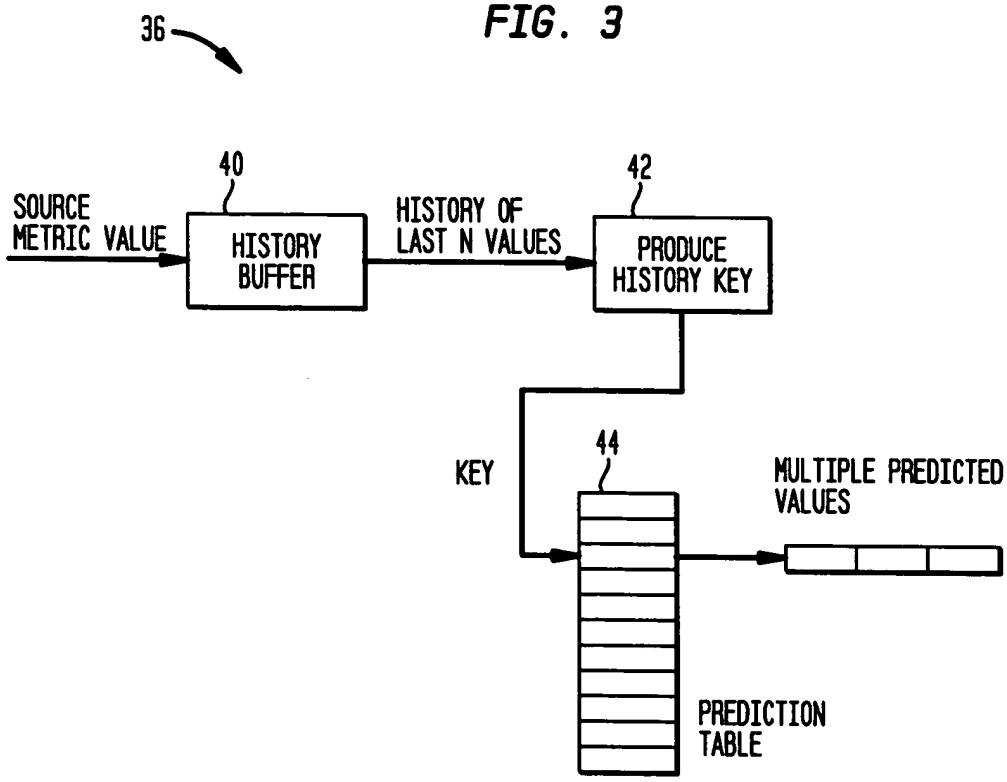

PREDICTOR
SOURCE
METRIC VALUE
34
36
30
COUNTER 1
VALUES
32
COUNTER 2
METRIC
MODEL
PREDICTION
MECHANISM
MULTIPLE
PREDICTED TARGET
METRIC VALUES

FIG. 3


36
40
42
SOURCE
METRIC VALUE
HISTORY
BUFFER
HISTORY OF
LAST N VALUES
PRODUCE
HISTORY KEY
KEY
44
MULTIPLE PREDICTED
VALUES
PREDICTION
TABLE